BRUHAT BANGALORE MAHANAGARA PALIKE		
NAME OF THE PROJECT: CONSTRUCTION OF SAMUDAYA BHAVANA AT MARIYANNAPALYA IN WARD No.07		
ABSTRACT		
Sl No	**DESCRIPTION OF WORK**	**AMOUNT**
1	Demolition	27526
2	Building	2453168
3	Sump	109472
4	Plumbing	121446
5	Electrical work	78354
6	Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	30000.00
7	Project management Consultancy Charges(1% of estimated cost)	30000.00
8	Tender Premium (5% of estimated cost)	150000.00
9	Miscellaneous and rounding off	34.75
	Total	**3000000**
RUPEES THIRTY LAKH ONLY		

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP
20/1/2020

Administrative Approval
Accorded For Rs. 30.00 lakhs only
Head of A/C P-3589
CER NO :104-A Dt:11/02/2020

TA

CE (YNK)

Technical Sanction
Accorded For Rs. 30.00 lakhs
Head of A/C P-3589
CER NO :286 Dt:11/02/20

TA

CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SAMUDAYA BHAVANA AT MARIYANNAPALYA IN WARD No.07

1. DEMOLITION

								Est.Cost.Rs.	**27525.81**
	Description of Item	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
	Ground floor								
	Slab	cum	1	7.60	5.20	0.15	5.93		
	Colums	cum	6	0.20	0.45	2.70	1.46		
	Beams Shorter	cum	3	5.20	0.20	0.15	0.47		
	Beams Longer	cum	2	7.60	0.20	0.15	0.46		
	Staircase								
	Waist Slab	cum	2	3.20	1.00	0.15	0.96		
	Landing	cum	1	2.00	1.00	0.15	0.30		
	Steps	cum	20	1.00		0.023	0.45		
	Basic rate							1589.00	
	Area weightage 8%							127.12	
	Total						**10.02**	**1716.12**	**17195.52**
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
	Ground floor								
	Longer Wall	Cum	2	0.58	0.20	3.10	0.72		
	Shorter Wall	Cum	2	3.90	0.20	3.10	4.84		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**5.56**	**379.08**	**2105.87**
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	Flooring								
		Sqm	1	7.20	4.8		34.56		
	Corridor	Sqm	1	1.50	7		10.50		
	Basic rate							86.00	

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Area weightage 8%							6.88	
	Total						**45.06**	**92.88**	**4185.17**
4	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 27.50)								
	Internal plastering								
	Ground Floor								
		Sqm	2	7.2	4.8		69.12		
	Deduction								
	Doors D	Sqm	-1	0.9		2.1	-1.89		
	Window	Sqm	-4	1.2		1.2	-5.76		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**61.47**	**39.96**	**2456.34**
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum					23.56		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading Basic rate					2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						**23.56**	**67.18**	**1582.91**
								TOTAL AMOUNT	**27525.81**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SAMUDAYA BHAVANA AT MARIYANNAPALYA IN WARD No.07

BUILDING

								Est.Cost.Rs.	2453168
Sl No.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	CF 1	Cum	2	5.7	3	1.5	51.30		
	SSM Excavation								
	Longer Direction	Cum	2	1.6	0.75	0.9	2.16		
		Cum	1	7.6	0.75	0.9	5.1		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**58.59**	**484.92**	**28411.46**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	CF 1	Cum	2	5.7	3	0.1	3.42		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**3.42**	**2623.32**	**8971.75**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	CF 1	Cum	2	5.7	3	0.15	5.13		
	SSM Below								
	Longer Direction	Cum	2	1.6	0.75	0.15	0.36		
		Cum	1	7.6	0.75	0.15	0.86		
	PCC at right side of building	Cum	1	5.35	0.7	0.15	0.56		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**6.91**	**5510.16**	**38057.30**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.55cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
Above SSM								
Longer Side	Cum	2	6.70	0.60	0.15	1.21		
	Cum	1	7.60	0.60	0.15	0.68		
Shorter Side	Cum	3	3.70	0.60	0.15	1.00		
Plinth Area	Cum	1	7.60	6.10	0.15	6.95		
Basic rate							5422.00	
Area weightage 8%							433.76	
Total						**9.84**	**5855.76**	**57638.25**
KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item								
SSM Footing								5.6
Longer Side	Cum	2	6.7	0.6	0.45	3.62		
	Cum	1	7.6	0.6	0.45	2.05		
Shorter Side	Cum	3	3.7	0.6	0.45	3.00		
Basic rate							4596.00	
Area weightage 8%							367.68	
Total						**8.67**	**4963.68**	**43020.21**
KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
Filling Available of Excavated Earth								
Earth Work Excavation	Cum					58.59		
PCC for Footing	Cum					-6.91		
Filling in foundation with granite / trap broken metal	Cum					-3.42		
SSM Footing	Cum					-8.67		
Footing Concrete Quantity	Cum					-19.30		
Basic rate							201.00	
Area weightage 8%							16.08	
Total						**20.30**	**217.08**	**4406.78**
Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
Excavated Earth	Cum					58.59		
Filling Available of Excavated Earth						-20.30		
Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Basic rate for haulage of materials as per item No. KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
Average Weight of earth	For2Kms =2x1.28x2						5.12	
Basic rate							62.12	
Item weightage 8%							4.97	
Total						**38.29**	**67.09**	**2568.84**
KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
Footings								
CF 1	Sqm	2	17.4		0.4	13.92		
Beam	Sqm	2	12.6		0.4	10.08		
Column up tpo plinth								
CF 1	Sqm	4	1.3		0.45	2.34		
Basic rate							258.00	
Item weightage 8%							20.64	
Total						**26.34**	**278.64**	**7339.38**
KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
Plinth Beam								
Longer Side	Sqm	6	7.6		0.45	20.52		
Shorter Side	Sqm	4	3.7		0.45	6.66		
Basic rate							358.00	
Item weightage 8%							28.64	
Total						**27.18**	**386.64**	**10508.88**
KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
Ground Floor								
Columns	Sqm	4	1.3		2.55	13.26		
First Floor								
Columns	Sqm	4	1.3		2.55	13.26		
Basic rate							456.00	
Item weightage 8%							36.48	
Total						**26.52**	**492.48**	**13060.57**
KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
Centring								
Ground Floor								
Slab	Sqm	1	7.6	6.1		46.36		
At Stairs	Sqm	-1	3.6	2		-7.20		
First Floor								
Slab	Sqm	1	7.6	6.1		46.36		

No.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	At Stairs	Sqm	-1	3.6	2		-7.20		
	Basic rate							400.00	
	Item weightage 8%							32.00	
	Total						**78.32**	**432**	**33834.24**
12	KSRB 4.6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab	Sqm	2	7.6		0.15	2.28		
		Sqm	2	6.1		0.15	1.83		
	First Floor								
	Slab	Sqm	2	7.6		0.15	2.28		
		Sqm	2	6.1		0.15	1.83		
	Basic rate							755.00	
	Item weightage 8%							60.40	
	Total						**8.22**	**815.4**	**6702.59**
13	KSRB 4.6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Ground Floor								
	Beams								
	(200X450)	Sqm	6	7.6		0.45	20.52		
		Sqm	4	5.7		0.45	10.26		
	Lintel								
	Through Lintel	Sqm	4	7.6		0.2	6.08		
		Sqm	4	4.1		0.2	3.28		
		Sqm	2	1.8		0.2	0.72		
	First Floor								
	Beams								
	(200X450)	Sqm	6	7.6		0.45	20.52		
		Sqm	4	5.7		0.45	10.26		
	Lintel								
	Through Lintel	Sqm	4	7.6		0.2	6.08		
		Sqm	4	4.1		0.2	3.28		
	Basic rate							292.00	
	Item weightage 8%							23.36	
	Total						**81.00**	**315.36**	**25544.16**
14	KSRB 4.6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Ground Floor								
	Waist slab	Sqm	1	3.62	1		3.62		
		Sqm	1	2.8	1		2.80		
	First flite landing	Sqm	1	2	1		2.00		
	Sides	Sqm	1	3		0.15	0.45		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Steps	Sqm	20	1		0.15	3.00		
Main Beam	Sqm	2	2		0.45	1.80		
First Floor								
Front slab	Sqm	1	3.62	1		3.62		
	Sqm	1	2.8	1		2.80		
First flite landing	Sqm	1	2	1		2.00		
Steps	Sqm	1	3		0.15	0.45		
Steps	Sqm	20	1		0.15	3.00		
Main Beam	Sqm	2	2		0.45	1.80		
Basic rate							520.00	
Extra weightage 8%							41.60	
Total						**27.34**	**561.60**	**15354.14**
KSRB 4.6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
Ground Floor								
W	Sqm	5	1.5	0.6		4.50		
Front	Sqm	5	1.5		0.1	0.75		
Sides	Sqm	10	0.60		0.1	0.60		
First Floor								
W	Sqm	5	1.5	0.6		4.50		
Front	Sqm	5	1.5		0.1	0.75		
Sides	Sqm	10	0.6		0.1	0.60		
Basic rate							323.00	
Extra weightage 8%							25.84	
Total						**11.70**	**348.84**	**4081.43**
KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
Footings								
CF 1	Cum	2	5.7	3	0.4	13.68		
Beam	Cum	2	5.7	0.6	0.40	2.74		
Coloumn up to plinth								
CF 1	Cum	4	0.45	0.2	0.45	0.16		
Plinth Beam								
Longer Side	Cum	3	7.6	0.2	0.45	2.05		
Shorter Side	Cum	2	3.7	0.2	0.45	0.67		
Basic rate							5812.00	
Extra weightage 8%							464.96	
Total						**19.30**	**6276.96**	**121120.22**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregate @0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached pilasters, columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
Ground Floor								
Columns	Cum	4	0.2	0.45	2.55	0.92		
Lintel								
Through Lintel	Cum	2	7.6	0.2	0.2	0.61		
	Cum	2	4.1	0.2	0.2	0.33		
	Cum	1	1.8	0.2	0.2	0.07		
Staircase								
Waist slab	Cum	1	3.62	1	0.15	0.54		
	Cum	1	2.8	1	0.15	0.42		
First flite landing	Cum	1	2	1	0.15	0.3		
Steps	Cum	20	1		0.0225	0.45		
		Triangular area 0.5*.15*.3=0.022						
Stairs Beam	Cum	1	2.00	0.20	0.45	0.18		
Basic rate							6045.00	
Extra weightage 8%							483.60	
Total						**3.82**	**6528.60**	**24932.72**
First Floor								
Columns	Cum	4	0.2	0.45	2.55	0.92		
Lintel								
Through Lintel	Cum	2	7.6	0.2	0.2	0.61		
	Cum	2	4.1	0.2	0.2	0.33		
Staircase								
Waist slab	Cum	1	3.62	1	0.15	0.54		
	Cum	1	2.8	1	0.15	0.42		
First flite landing	Cum	1	2	1	0.15	0.30		
Steps	Cum	20	1		0.0225	0.45		
		Triangular area 0.5*.15*.3=0.022						
Stairs Beam	Cum	1	2	0.2	0.45	0.18		
Basic rate							6045.00	
Add lift charges for First Floor							60.00	
Sub total							6105.00	
Extra weightage 8%							488.40	
Total						**3.75**	**6593.40**	**24705.47**
Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.19.2								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Ground Floor								
Slab	Cum	1	7.6	6.1	0.15	6.95		
At Stairs	Cum	-1	3.6	2	0.15	-1.08		
Beams								
(200X450)	Cum	3	7.6	0.2	0.45	2.05		
	Cum	2	5.7	0.2	0.45	1.03		
First Floor								
Slab	Cum	1	7.6	6.1	0.15	6.95		
At Stairs	Cum	-1	3.6	2	0.15	-1.08		
Beams -						0.00		
(200X450)	Cum	3	7.6	0.2	0.45	2.05		
	Cum	2	5.7	0.2	0.45	1.03		
Basic rate							5497.00	
Item weightage 8%							439.76	
Total						**17.90**	**5936.76**	**106291.75**

KSBB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20

Ground Floor								
Chajja	Sqm	5	1.5	0.6		4.50		
Basic rate							496.00	
Item weightage 8%							39.68	
Total						**4.50**	**535.68**	**2410.56**
First Floor								
Chajja	Sqm	5	1.5	0.6		4.50		
Basic rate							496.00	
Add: lift charges for First Floor							5.00	
sub total							501.00	
Item weightage 8%							40.08	
Total						**4.50**	**541.08**	**2434.86**

KSBB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.
Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2

Ground Floor								
Footing	Cum	Concrete Quantity				16.42		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	kg	Steel assumed 130 Kg/Cum of Concrete				2134.1		
	tonne					**2.13**		
	Cum	Concrete Quantity				1.08		
	kg	Steel assumed 150 Kg/Cum of Concrete				162.00		
	tonne					**0.16**		
	Cum	Concrete Quantity				2.72		
	kg	Steel assumed 150 Kg/Cum of Concrete				407.70		
	tonne					**0.41**		
	Cum	Concrete Quantity				1.89		
	kg	Steel assumed 125 Kg/Cum of Concrete				236.63		
	tonne					**0.24**		
	Cum	Concrete Quantity				1.01		
	kg	Steel assumed 125 Kg/Cum of Concrete				126.00		
	tonne					**0.13**		
	Cum	Concrete Quantity				3.08		
	kg	Steel assumed 150 Kg/Cum of Concrete				461.7		
	tonne					**0.46**		
	Cum	Concrete Quantity				0.45		
	kg	Steel assumed 100 Kg/Cum of Concrete				45.00		
	tonne					**0.05**		
	Cum	Concrete Quantity				5.87		
	kg	Steel assumed 130 Kg/Cum of Concrete				763.6		
	tonne					**0.76**		
							70966.00	
							5677.28	
						4.34	**76643.3**	**332380.83**
	Cum	Concrete Quantity				0.92		
	kg	Steel assumed 150 Kg/Cum of Concrete				137.70		
	tonne					**0.14**		
	Cum	Concrete Quantity				1.89		
	kg	Steel assumed 125 Kg/Cum of Concrete				236.63		
	tonne					**0.24**		
	Cum	Concrete Quantity				0.94		
	kg	Steel assumed 125 Kg/Cum of Concrete				117.00		
	tonne					**0.12**		
	Cum	Concrete Quantity				3.08		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	kg	Steel assumed 150 Kg/Cum of Concrete				461.70		
	tonne					**0.46**		
	Cum	Concrete Quantity				5.87		
	kg	Steel assumed 130 Kg/Cum of Concrete				763.6		
	tonne					**0.76**		
	Cum	Concrete Quantity				0.45		
	kg	Steel assumed 100 Kg/Cum of Concrete				45.00		
	tonne					**0.05**		
							70966.00	
charges for First Floor							748.00	
							71714.0	
weightage 8%							5737.12	
						1.76	**77451.1**	**136441.38**
Providing and constructing load bearing wall with solid concrete blocks of size 200mm having block density not less than 1800kg/m3 having a minimum average compressive 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
Ground Floor								
Long Wall	Sqm	2	7.2		2.55	36.72		
Short Wall	Sqm	2	4.1		2.55	20.91		
	Sqm	1	1.8		2.55	4.59		
Compound Wall								
Long Wall	Sqm	1	6.1		1.2	7.32		
Deductions								
D	Sqm	-1	1.2		2.1	-2.52		
	Sqm	-5	1.2		1.2	-7.20		
	Sqm	-1	0.75		0.6	-0.45		
Door	Sqm	-1	2.05		0	0.00		
							912.00	
weightage 8%							72.96	
						59.37	**984.96**	**58477.08**
First Floor								
Long Wall	Sqm	2	7.2		2.55	36.72		
Short Wall	Sqm	2	4.1		2.55	20.91		
Deductions								
D	Sqm	-1	1.2		2.1	-2.52		
	Sqm	-5	1.2		1.2	-7.20		
	Sqm	-1	0.75		0.6	-0.45		
							912.00	
charges for First Floor							35.00	
							947.00	
weightage 8%							75.76	

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
						47.46	1022.76	48540.19
: Providing and constructing non-load bearing wall with solid concrete blocks of size having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries complete as per specifications. KBS No 5.4 Pg No 27 Item No 5.28								
Ground Floor								
Bathroom	Sqm	2	1.8		2.1	7.56		
	Sqm	2	1.15		2.1	4.83		
Deductions								
	Sqm	-1	0.75		2.1	-1.58		
	Sqm	-1	0.75		0.6	-0.45		
Rate/ rate								
Add overheads/wastage 8%							811.00	
Total							64.88	
Ground Floor						10.37	875.88	9078.50
Room Wall								
	Sqm	1	7.2		0.9	6.48		
	Sqm	1	5.37		0.9	4.83		
	Sqm	1	3.2		0.9	2.88		
	Sqm	1	4.37		0.9	3.93		
Rate/ rate								
Add 10% charges for Second Floor							811.00	
							70.00	
Add overheads/wastage 8%							881.00	
Total							70.48	
						18.13	951.48	17246.53
: Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item								
External Plastering								
Ground Floor								
Long Wall	Sqm	2	7.2		2.55	36.72		
Short Wall	Sqm	2	3.35		2.55	17.09		
	Sqm	2	1.8		2.1	7.56		
Compound Wall								
Long Wall	Sqm	2	6.1		1.2	14.64		
Deductions								
	Sqm	-1	1.2		2.1	-2.52		
	Sqm	-5	1.2		1.2	-7.20		
	Sqm	-1	0.75		0.6	-0.45		
Gate	Sqm	-1	2.05		0	0.00		
Rate/ rate								
Add overheads/wastage 8%							261.00	
Total							20.88	
First Floor						65.84	281.88	18557.57
Long Wall								
Short Wall	Sqm	2	7.2		2.55	36.72		
Deductions	Sqm	2	3.35		2.55	17.09		
	Sqm	-1	1.2		2.1	-2.52		
	Sqm	-5	1.2		1.2	-7.20		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
							261.00	
Add/Deduct for charges for First Floor							12.00	
							273.00	
Add wastage/ tippage 8%							21.84	
Total						**44.09**	**294.84**	**12998.02**
Ground Floor								
Dragon Wall	Sqm	2	7.2		0.9	12.96		
	Sqm	2	5.37		0.9	9.67		
	Sqm	2	3.2		0.9	5.76		
	Sqm	2	4.37		0.9	7.87		
Basic rate							261.00	
Add/Deduct for charges for Second Floor							24.00	
							285.00	
Add wastage/ tippage 8%							22.80	
Total						**36.25**	**307.80**	**11158.37**
12.12 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item								
Internal Plastering								
Ground Floor								
Wall	Sqm	2	7.2		1.65	23.76		
	Sqm	2	3.7		1.65	12.21		
Deductions								
D1	Sqm	-1	1.2		2.1	-2.52		
D2	Sqm	-5	1.2		1.2	-7.20		
D3	Sqm	-1	0.75		2.1	-1.58		
Basic rate							204.00	
Add wastage/ tippage 8%							16.32	
Total						**24.68**	**220.32**	**5436.40**
First Floor								
Wall	Sqm	2	7.2		1.65	23.76		
	Sqm	2	3.7		1.65	12.21		
Deductions								
D1	Sqm	-1	1.2		2.1	-2.52		
D2	Sqm	-5	1.2		1.2	-7.20		
Basic rate							204.00	
Add/Deduct charges for First Floor							6.00	
							210.00	
Add wastage/ tippage 8%							16.80	
Total						**26.25**	**226.80**	**5953.50**
15.5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-								
Ground Floor								
W1 Bathroom	Sqm	2	1.8		2.1	7.56		
	Sqm	2	1.15		2.1	4.83		
Wall	Sqm	2	7.2		1.2	17.28		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							12.00	
Carried							114.00	
Add overheads 8%							9.12	
Total						**36.25**	**123.12**	**4463.35**
Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide throughout width, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg								
Ground Floor								
Landing	Sqm	1	2	1		2.00		
Landing 2	Sqm	1	2	1		2.00		
Treads	Sqm	19	1	0.30		5.70		
Risers	Sqm	20	1		0.15	3.00		
Rate rate							4456.00	
Add overheads 8%							356.48	
Total						**12.70**	**4812.48**	**61118.50**
First Floor								
Landing	Sqm	1	2	1		2.00		
Landing 2	Sqm	1	2	1		2.00		
Treads	Sqm	19	1	0.3		5.70		
Risers	Sqm	20	1		0.15	3.00		
Rate rate							4456.00	
Additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
Carried							4458.00	
Add overheads 8%							356.64	
Total						**12.70**	**4814.64**	**61145.93**
KBS 14.4: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete finishing , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm nominal size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
Ground Floor								
Hall	Sqm	1	7.2	3.7		26.64		
Store /Staircase	Sqm	1	3.6	2		7.20		
WC/ Bathroom	Sqm	1	1.8	1.15		2.07		
Step	Sqm	1	6.1	0.7		4.27		
Rate rate							631.00	
Add overheads 8%							50.48	
Total						**40.18**	**681.48**	**27381.87**
First Floor								
Hall	Sqm	1	7.2	3.7		26.64		
Verandah	Sqm	1	2	2.2		4.40		
Rate rate							631.00	

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
							633.00	
Add Percentage 8%							50.64	
Total						**31.04**	**683.64**	**21220.19**

Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm.Pg No 112,Item No 14.61.2

Ground Floor								
Flooring								
Hall								
	Sqm	1	7.2	3.7		26.64		
	Sqm	2	7.2		1.2	17.28		
	Sqm	2	3.7		1.2	8.88		
Door Thickness	Sqm	1	3.6	2		7.20		
Deductions								
	Sqm	-1	0.75		2.1	-1.58		
Sub Total								
Add Percentage 8%							2051	✓
Total							164.08	
First Floor						**58.43**	**2215.08**	**129416.05**
Hall								
	Sqm	1	7.2	3.7		26.64		
Passage	Sqm	1	2	3.6		7.20		
	Sqm	2	7.2		1.2	17.28		
	Sqm	2	3.7		1.2	8.88		
Deductions								
	Sqm	-1	0.75		2.1	-1.58		
Sub Total							2051.00	✓
Additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
							2053.00	
Add Percentage 8%							164.24	
Total						**58.43**	**2217.24**	**129542.25**

Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick laid on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing thereafter including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item

Ground Floor								
WC/Bathroom	Sqm	1	1.8	1.15		2.07		
Sub Total							1137.00	✓
Add Percentage 8%							90.96	
Total						**2.07**	**1227.96**	**2541.88**